

ABSTRACT

[0040] An optical arrangement with telecentric beam region for imaging objects, preferably a microscope, comprises in a main beam path at least one infinity-imaging objective and at least one eyepiece with an eyepiece intermediate image plane and a tube lens of suitable focal length which is arranged between the latter at a fixed distance from the objective. At least one optical element in the form of a beam splitter module or beam splitters for laterally splitting off at least a first partial beam path is provided in the space between the objective and the tube lens in which the telecentric beam path is located. A tube lens is located at a suitable distance from the objective in each of these first partial beam paths. At least a second partial beam path is branched off from at least one of these first partial beam paths and a tube lens is located at a suitable distance from the objective in each of these second partial beam paths. The tube lenses arranged in the individual partial beam paths have the same focal length or different focal lengths.